

**TRAINING AND TESTING  
SPECIFICATIONS FOR LEARNING DOMAIN #41  
HAZARDOUS MATERIALS AWARENESS**

January 1, ~~2006~~ 2007

| RBC | Other Basic Courses |     |    |   |      | Requal |
|-----|---------------------|-----|----|---|------|--------|
|     | 832                 | III | II | I | SIBC |        |
|     |                     |     |    |   |      |        |
|     |                     |     |    |   |      |        |
| X   |                     |     | X  | X | X    | X      |
| X   |                     |     | X  | X | X    |        |
| X   |                     |     | X  | X | X    |        |
| X   |                     |     | X  | X | X    |        |
| X   |                     |     | X  | X | X    |        |
| X   |                     |     |    | X | X    |        |
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| X   |                     |     |    | X | X    |        |
| X   |                     |     | X  | X | X    |        |
|     |                     |     |    |   |      |        |

I.

**LEARNING NEED**

Peace officers need to know the risks presented by hazardous materials and their role in responding to hazardous materials incidents.

**LEARNING OBJECTIVES**

- A. Identify a hazardous materials incident
- B. Identify the specific challenges that are presented by incidents involving hazardous materials
- C. ~~Differentiate between~~ Recognize the roles and responsibilities of a First Responder at the awareness level.  
(8)  
~~1. Awareness level (9)~~  
~~2. Operational level (9)~~
- D. Identify the primary pathways in which a hazardous material can enter the human body, including:
  - 1. Inhalation
  - 2. Absorption
  - 3. Ingestion
  - 4. Injection
- E. Identify precautions peace officers can take to protect themselves from contacting a hazardous material

II.

**LEARNING NEED**

Peace officers must become familiar with the indicators and warning systems that identify specific dangers of hazardous materials in order to respond safely and effectively to hazardous materials incidents.



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| ✕   |                     |     |    | ✕ | ✕    | ✕      |
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|     |                     |     |    |   |      |        |
| X   |                     |     | X  | X | X    | X      |
| ✕   |                     |     | ✕  | ✕ | ✕    | ✕      |
| ✕   |                     |     | ✕  | ✕ | ✕    | ✕      |
| X   |                     |     |    | X | X    | X      |
| X   |                     |     |    | X | X    | X      |
| X   |                     |     |    | X | X    | X      |
| X   |                     |     |    | X | X    | X      |
| ✕   |                     |     |    | ✕ | ✕    | ✕      |
| X   |                     |     |    | X | X    | X      |
| X   |                     |     |    | X | X    | X      |
| X   |                     |     |    | X | X    | X      |
| X   |                     |     |    | X | X    | X      |
| X   |                     |     |    | X | X    | X      |
| X   |                     |     |    | X | X    | X      |

~~H. Identify the type of information provided by the NFPA 704 warning system for hazardous materials at fixed facilities (9)~~

### III. LEARNING NEED

Peace officers must have a clear understanding of the need for safety, isolation, and notification when acting as First Responders at the scene of a hazardous materials incident.

#### LEARNING OBJECTIVES

~~A. Identify~~ Recognize the guidelines for safely assessing and approaching a hazardous materials incident (8)

~~B. Recognize the factors involved in safely assessing the scene of an incident (3)—~~

~~C. Recognize on scene safety guidelines for First Responders (3)~~

~~DB.~~ Identify ~~the different methods for~~ factors to consider when establishing a perimeter around a hazardous area materials incident (8)

~~EC.~~ Identify the types of control zones at a hazardous materials incident, including:

1. Exclusion zone
2. Contamination reduction zone
3. Support zone

~~F. Identify the role of the Incident Command System at the scene of an incident (2)~~

~~GD.~~ ~~Recognize~~ Identify the information that should be communicated to dispatch from the scene of an incident, including: (8)

1. Location of the incident
2. Type of premises and/or vehicles involved
3. Size and perimeter of the involved area
4. Weather conditions
5. Name of hazardous material involved, if known
6. Information about placards, ID numbers, warning signs, etc.
7. Safe entry and exit routes to and from the scene



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| X   |                     |     |    | X | X    | X      |
| X   |                     |     |    | X | X    | X      |
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| X   |                     |     | X  | X |      |        |
| X   |                     |     | X  | X |      |        |
| X   |                     |     | X  | X |      |        |
| X   |                     |     | X  | X |      |        |
| X   |                     |     | X  | X |      |        |

D.     Decontamination (10)

1.     Emergency Decontamination (10)

A.     Gross contamination (10)

B.     Remove outer clothing (10)

C.     Flush with water (10)

IV.     REQUIRED TESTS

A.     The POST-Constructed knowledge test on the learning objectives in Domain #41.

B.     The POST-Constructed Comprehensive End-of-Course Proficiency Test will include learning objectives in Domain #41.

C.     The POST-Constructed comprehensive test for the Requalification Course will include learning objectives in Domain #41.

V.     REQUIRED LEARNING ACTIVITIES

A.     The student will participate in a learning activity designed to reinforce an understanding of first responder actions at the scene of a hazardous materials incident to include:

1.     Identification of the event as a hazardous materials incident
2.     Application of recommended safety precautions
3.     Use of the Emergency Response Guidebook (ERG) to determine the initial isolation and protective action distances
4.     The need to isolate the scene
5.     Notification considerations

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| X   |                     |     |    | X |      |        |
| 4   |                     |     | 2  | 4 | 4    | 2      |
|     |                     |     |    |   |      |        |
|     |                     |     |    |   |      |        |

B. The student will participate in a learning activity designed to reinforce an understanding of the indicators for determining the hazard potential of the suspected material to include:

1. Placard
2. Sign
3. Warning label
4. Any other indication

~~VII~~VII. HOURLY REQUIREMENTS

Students shall be provided with a minimum number of instructional hours on hazardous materials from an instructor certified by the California Specialized Training Institute in accordance with Title 19 of the California Code of Regulations, Chapter 1, Subchapter 2, Section 2530 (a).

~~VIII~~VIII. ORIGINATION DATE

January 1, 2001

~~IX~~IX. REVISION DATE

October 1, 2001  
January 1, 2004  
September 15, 2004

January 1, 2006  
January 1, 2007